(FILE 'USPAT' ENTERED AT 19:22:10 ON 13 SEP 1999)

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L1      167581 S NETWORK?
L2       31928 S L1 AND SYNCHRONIZ?
L3         141 S L2 AND WORKSPACE
L4          10 S L3 AND DATA MANAGER
L5           7 S L4 AND DOWNLOAD?
L6           0 S L5 AND REMOTE SITE
L7           4 S L5 AND REMOTE
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=> d l7 1-

1. 5,687,322, Nov. 11, 1997, Method and system for selective incentive point-of-sale marketing in response to customer shopping histories; David W. Deaton, et al., 705/14 [IMAGE AVAILABLE]

2. 5,649,114, Jul. 15, 1997, Method and system for selective incentive point-of-sale marketing in response to customer shopping histories; David W. Deaton, et al., 705/14 [IMAGE AVAILABLE]

3. 5,644,723, Jul. 1, 1997, Method and system for selective incentive point-of-sale marketing in response to customer shopping histories; David W. Deaton, et al., 705/14 [IMAGE AVAILABLE]

4. 5,642,485, Jun. 24, 1997, Method and system for selective incentive point-of-sale marketing in response to customer shopping histories; David W. Deaton, et al., 705/14 [IMAGE AVAILABLE]

=> d l4 1

1. 5,950,201, Sep. 7, 1999, Computerized design automation method using a single logical PFVL paradigm; Gary Alan Van Huben, et al., 707/10, 4, 8, 102, 203 [IMAGE AVAILABLE]

=> d l4 1-

1. 5,950,201, Sep. 7, 1999, Computerized design automation method using a single logical PFVL paradigm; Gary Alan Van Huben, et al., 707/10, 4, 8, 102, 203 [IMAGE AVAILABLE]

2. 5,920,873, Jul. 6, 1999, Data management control system for file and database; Gary Alan Van Huben, et al., 707/202, 201, 203, 204 [IMAGE AVAILABLE]

3. 5,826,265, Oct. 20, 1998, Data management system having shared libraries; Gary Alan Van Huben, et al., 707/8, 3, 4, 9, 10, 102, 103 [IMAGE AVAILABLE]

4. 5,687,322, Nov. 11, 1997, Method and system for selective incentive point-of-sale marketing in response to customer shopping histories; David W. Deaton, et al., 705/14 [IMAGE AVAILABLE]

5. 5,649,114, Jul. 15, 1997, Method and system for selective incentive point-of-sale marketing in response to customer shopping histories; David W. Deaton, et al., 705/14 [IMAGE AVAILABLE]

6. 5,644,723, Jul. 1, 1997, Method and system for selective incentive

point-of-sale marketing in response to customer shopping histories; David W. Deaton, et al., 705/[redacted] [IMAGE AVAILABLE]

7. 5,642,485, Jun. 24, 1997, Method and system for selective incentive point-of-sale marketing in response to customer shopping histories; David W. Deaton, et al., 705/14 [IMAGE AVAILABLE]

8. 5,321,819, Jun. 14, 1994, Interface for coupling a host device having a **network** interface to a computer **network** having a predetermined communications medium and a predetermined communications physical layer; Andre Szczepanek, 709/228, 230, 250 [IMAGE AVAILABLE]

9. 5,305,317, Apr. 19, 1994, Local area **network** adaptive circuit for multiple **network** types; Andre Szczepanek, 370/257, 469 [IMAGE AVAILABLE]

10. 5,299,193, Mar. 29, 1994, Signal interface for coupling a **network** front end circuit to a **network** adapter circuit; Andre Szczepanek, 370/463, 465 [IMAGE AVAILABLE]

=> d l3 1-

1. 5,950,201, Sep. 7, 1999, Computerized design automation method using a single logical PFVL paradigm; Gary Alan Van Huben, et al., 707/10, 4, 8, 102, 203 [IMAGE AVAILABLE]

2. 5,945,985, Aug. 31, 1999, Information system for interactive access to geographic information; Shane P. Babin, et al., 345/302 [IMAGE AVAILABLE]

3. 5,930,473, Jul. 27, 1999, Video application server for mediating live video services; Peter Teng, et al., 709/204, 219, 304 [IMAGE AVAILABLE]

4. 5,930,154, Jul. 27, 1999, Computer-based system and methods for information storage, modeling and simulation of complex systems organized in discrete compartments in time and space; Cristina Thalhammer-Reyero, 395/500.32; 345/349 [IMAGE AVAILABLE]

5. 5,925,096, Jul. 20, 1999, Method and apparatus for localized preemption in an otherwise synchronous, non-preemptive computing environment; Wayne Richard Hlasnik, et al., 709/103, 102 [IMAGE AVAILABLE]

6. 5,920,873, Jul. 6, 1999, Data management control system for file and database; Gary Alan Van Huben, et al., 707/202, 201, 203, 204 [IMAGE AVAILABLE]

7. 5,905,868, May 18, 1999, Client/server distribution of performance monitoring data; Ali Baghai, et al., 709/224, 201, 203 [IMAGE AVAILABLE]

8. 5,903,753, May 11, 1999, Name space registry with backward compatibility for older applications; Arnold H. Bramnick, et al., 709/300; 395/712 [IMAGE AVAILABLE]

9. 5,893,125, Apr. 6, 1999, Non-modal database system with methods for incremental maintenance; Robert Shostak, 707/511 [IMAGE AVAILABLE]

10. 5,890,140, Mar. 30, 1999, System for communicating with an electronic delivery system that integrates global financial services; Barry Alan Clark, et al., 705/35, 39 [IMAGE AVAILABLE]

11. 5,887,243, Mar. 23, 1999, Signal processing apparatus and methods; John Christopher Harvey, et al., 455/3.1; 348/9, 10; 455/6.2 [IMAGE AVAILABLE]

12. 5,878,434, Mar. 2, 1999, Transaction clash management in a disconnectable computer and **network**; Stephen P. W. Draper, et al., 707/202, 201, 203, 204 [IMAGE AVAILABLE]

13. 5,862,325, Jan. 19, 1999, Computer-based communication system and method using metadata defining a control structure; Drummond Shattuck Reed, et al., 709/201; 395/200.42, 200.58, 200.72, 200.74; 707/10, 203, 204; 709/212, 228, 242, 244 [IMAGE AVAILABLE]

14. 5,859,974, Jan. 12, 1999, Apparatus and method for linking public and private pages in a conferencing system; Brian McArdle, et al., 709/204 [IMAGE AVAILABLE]

15. 5,854,720, Dec. 29, 1998, Low-power hard disk drive system architecture; Louis J. Shrinkle, et al., 360/69, 70 [IMAGE AVAILABLE]

16. 5,848,295, Dec. 8, 1998, System for allocating common memory in cache such that data is maintained when exiting first programming structure and entering second programming structure; Eric C. Anderson, et al., 710/7; 709/300; 710/20 [IMAGE AVAILABLE]

17. 5,838,334, Nov. 17, 1998, Memory and graphics controller which performs pointer-based display list video refresh operations; Thomas A. Dye, 345/503, 339, 501, 507, 525 [IMAGE AVAILABLE]

18. 5,826,265, Oct. 20, 1998, Data management system having shared libraries; Gary Alan Van Huben, et al., 707/8, 3, 4, 9, 10, 102, 103 [IMAGE AVAILABLE]

19. 5,825,770, Oct. 20, 1998, Multiple algorithm processing on a plurality of digital signal streams via context switching; Alan Charles Coady, et al., 370/378; 709/108 [IMAGE AVAILABLE]

20. 5,815,415, Sep. 29, 1998, Computer system for portable persistent modeling; Keith Bentley, et al., 395/500.25, 500.24 [IMAGE AVAILABLE]

21. 5,805,118, Sep. 8, 1998, Display protocol specification with session configuration and multiple monitors; Prateek Mishra, et al., 345/1, 329, 333 [IMAGE AVAILABLE]

22. 5,799,068, Aug. 25, 1998, Smart phone integration with computer systems; Dan Kikinis, et al., 379/93.06; 345/331; 379/357; 710/13, 102 [IMAGE AVAILABLE]

23. 5,799,067, Aug. 25, 1998, Smart phone integration with computer systems; Dan Kikinis, et al., 379/93.06, 357; 455/422; 710/102 [IMAGE AVAILABLE]

24. 5,796,403, Aug. 18, 1998, Method of display categorization in a multi-window display; James S. Adams, et al., 345/343 [IMAGE AVAILABLE]

25. 5,790,798, Aug. 4, 1998, Method and apparatus for simultaneously monitoring computer user screen and telephone activity from a remote location; Stephen Marshall Beckett, II, et al., 709/224; 345/330, 428; 379/34, 35; 709/200, 204 [IMAGE AVAILABLE]

26. 5,790,117, Aug. 4, 1998, System and methods for improved program testing; Ramin L. Halviatti, et al., 345/333, 339 [IMAGE AVAILABLE]

27. 5,781,174, Jul. 14, 1998, Image synthesizer and image pointing system; Masaru Uya, et al., 345/113, 2, 114, 150, 156 [IMAGE AVAILABLE]

28. 5,742,670, Apr. 21, 1998, Passive telephone monitor to control collaborative systems; Richard Lynn Bennett, 379/142; 370/401, 411;

379/207, 245; 709/204, 245 [IMAGE AVAILABLE]

29. 5,737,217, Apr. 7, 1998, System for detecting and controlling the position of a mobile robot; Masao Nishikawa, et al., 700/56; 180/8.6; 318/568.12, 568.16; 700/258 [IMAGE AVAILABLE]

30. 5,734,871, Mar. 31, 1998, Method for and apparatus for controlling the execution of host computer application programs through a second computer; Aurel Kleinerman, et al., 709/302 [IMAGE AVAILABLE]

31. 5,734,380, Mar. 31, 1998, Method for controlling the presentation of displays in a multi-window computer environment; James S. Adams, et al., 345/340, 339, 342, 348, 349 [IMAGE AVAILABLE]

32. 5,732,229, Mar. 24, 1998, Method and apparatus for displaying business cards; Robert David Dickinson, 345/334, 351 [IMAGE AVAILABLE]

33. 5,724,508, Mar. 3, 1998, Apparatus for collaborative computing; Daniel L. Harple, Jr., et al., 709/205, 237 [IMAGE AVAILABLE]

34. 5,721,852, Feb. 24, 1998, Method and apparatus for displaying a split bar window; Dan R. Porter, 345/349, 334, 341 [IMAGE AVAILABLE]

35. 5,715,416, Feb. 3, 1998, User definable pictorial interface for a accessing information in an electronic file system; Michelle Baker, 345/349, 335 [IMAGE AVAILABLE]

36. 5,713,045, Jan. 27, 1998, System for processing user events with input device entity associated with event producer which further links communication from event consumer to the event producer; Eric M. Berdahl, 710/73; 709/303 [IMAGE AVAILABLE]

37. 5,710,889, Jan. 20, 1998, Interface device for electronically integrating global financial services; Barry Alan Clark, et al., 345/344; 235/379, 380; 705/35, 39, 42 [IMAGE AVAILABLE]

38. 5,706,517, Jan. 6, 1998, Method and apparatus for retrieving distributed objects in a **networked** system; Robert David Dickinson, 709/303; 345/333 [IMAGE AVAILABLE]

39. 5,706,510, Jan. 6, 1998, Zymbolic history management system; David A. Burgoon, 707/203; 395/712 [IMAGE AVAILABLE]

40. 5,701,400, Dec. 23, 1997, Method and apparatus for applying if-then-else rules to data sets in a relational data base and generating from the results of application of said rules a database of diagnostics linked to said data sets to aid executive analysis of financial data; Carlos Armando Amado, 706/45, 47, 60 [IMAGE AVAILABLE]

41. 5,694,608, Dec. 2, 1997, Non-modal database system wth methods for incremental maintenance of live reports; Robert Shostak, 707/506, 507 [IMAGE AVAILABLE]

42. 5,692,178, Nov. 25, 1997, System and methods for improved file management in a multi-user environment; Steven T. Shaughnessy, 707/8; 711/150, 204 [IMAGE AVAILABLE]

43. 5,687,322, Nov. 11, 1997, Method and system for selective incentive point-of-sale marketing in response to customer shopping histories; David W. Deaton, et al., 705/14 [IMAGE AVAILABLE]

44. 5,675,802, Oct. 7, 1997, Version control system for geographically distributed software development; Larry W. Allen, et al., 395/703; 707/203, 204 [IMAGE AVAILABLE]

45. 5,664,103, Sep. 2, 1997, System for using an independent mediator for monitoring control data and transferring selected control data to a remote computer for concurrent processing; Jan Stein, et al., 709/205, 248, 300, 303 [IMAGE AVAILABLE]

46. 5,649,200, Jul. 15, 1997, Dynamic rule-based version control system; David B. Leblang, et al., 395/703; 364/222.81, 222.82, DIG.1; 707/203 [IMAGE AVAILABLE]

47. 5,649,185, Jul. 15, 1997, Method and means for providing access to a library of digitized documents and images; James J. Antognini, et al., 707/9; 709/300; 713/200 [IMAGE AVAILABLE]

48. 5,649,171, Jul. 15, 1997, On-line video editing system; Ian Craven, et al., 395/500.44; 345/302; 364/DIG.1, DIG.2 [IMAGE AVAILABLE]

49. 5,649,114, Jul. 15, 1997, Method and system for selective incentive point-of-sale marketing in response to customer shopping histories; David W. Deaton, et al., 705/14 [IMAGE AVAILABLE]

50. 5,644,723, Jul. 1, 1997, Method and system for selective incentive point-of-sale marketing in response to customer shopping histories; David W. Deaton, et al., 705/14 [IMAGE AVAILABLE]

51. 5,642,485, Jun. 24, 1997, Method and system for selective incentive point-of-sale marketing in response to customer shopping histories; David W. Deaton, et al., 705/14 [IMAGE AVAILABLE]

52. 5,640,565, Jun. 17, 1997, Business card system; Robert David Dickinson, 709/303 [IMAGE AVAILABLE]

53. 5,633,920, May 27, 1997, Smart phone; Dan Kikinis, et al., 379/130; 235/492; 345/905; 379/357, 396 [IMAGE AVAILABLE]

54. 5,608,453, Mar. 4, 1997, Automatic optical inspection system having a weighted transition database; H. Joseph Gerber, et al., 348/87, 92, 125, 126, 128, 129 [IMAGE AVAILABLE]

55. 5,581,702, Dec. 3, 1996, Computer conferencing system for selectively linking and unlinking private page with public page by selectively activating linked mode and non-linked mode for each participant; Brian McArdle, et al., 709/204; 370/261; 379/202; 709/205 [IMAGE AVAILABLE]

56. 5,574,915, Nov. 12, 1996, Object-oriented booting framework; Steven P. Lemon, et al., 712/220; 364/280.2, DIG.1 [IMAGE AVAILABLE]

57. 5,574,898, Nov. 12, 1996, Dynamic software version auditor which monitors a process to provide a list of objects that are accessed; David B. Leblang, et al., 707/1; 364/221.7, 280.6, DIG.1; 712/220 [IMAGE AVAILABLE]

58. 5,564,005, Oct. 8, 1996, Interactive system for producing, storing and retrieving information correlated with a recording of an event; Karon A. Weber, et al., 345/326 [IMAGE AVAILABLE]

59. 5,559,946, Sep. 24, 1996, Method and apparatus for adding a new tab to a tab bar window; Dan R. Porter, 345/349, 334, 341 [IMAGE AVAILABLE]

60. 5,555,388, Sep. 10, 1996, Multi-user system and methods providing improved file management by reading; Steven T. Shaughnessy, 711/100; 364/246.5, 283.1, 962, DIG.1, DIG.2; 707/2; 711/171 [IMAGE AVAILABLE]

61. 5,548,587, Aug. 20, 1996, Asynchronous transfer mode adapter for desktop applications; Chase B. Bailey, et al., 370/395, 412, 465, 474;

379/419 [IMAGE AVAILABLE]

62. 5,537,526, Jul. 16, 1996, Method and apparatus for processing a display document utilizing a system level document framework; David R. Anderson, et al., 707/515; 345/331, 346; 707/501, 512 [IMAGE AVAILABLE]

63. 5,535,261, Jul. 9, 1996, Selectively activated integrated real-time recording of telephone conversations; Barry D. Brown, et al., 379/88.11, 35, 88.12, 88.22, 88.26, 112, 114, 136, 184, 194 [IMAGE AVAILABLE]

64. 5,521,768, May 28, 1996, Low-power hard disk drive system architecture; Louis J. Shrinkle, et al., 360/69, 70 [IMAGE AVAILABLE]

65. 5,517,234, May 14, 1996, Automatic optical inspection system having a weighted transition database; H. Joseph Gerber, et al., 348/126, 125, 127, 129 [IMAGE AVAILABLE]

66. 5,506,437, Apr. 9, 1996, Microcomputer with high density RAM in separate isolation well on single chip; Michael D. May, et al., 257/373, 369, 390 [IMAGE AVAILABLE]

67. 5,500,929, Mar. 19, 1996, System for browsing a **network** resource book with tabs attached to pages; Robert D. Dickinson, 345/356, 340, 348 [IMAGE AVAILABLE]

68. 5,495,619, Feb. 27, 1996, Apparatus providing addressable storage locations as virtual links and storing predefined destination information for any messages transmitted on virtual links at these locations; Michael D. May, et al., 709/245; 364/238, 241.9, 284.3, 927.94, 927.95, 942.08, DIG.1, DIG.2; 370/412; 710/100 [IMAGE AVAILABLE]

69. 5,491,359, Feb. 13, 1996, Microcomputer with high density ram in separate isolation well on single chip; Michael D. May, et al., 257/373, 372, 903 [IMAGE AVAILABLE]

70. 5,481,707, Jan. 2, 1996, Dedicated processor for task I/O and memory management; Philip A. Murphy, Jr., et al., 709/102; 364/230, 230.3, 245.6, 283.3, 283.4, 964.4, 967.1, DIG.1, DIG.2; 710/1; 711/100; 714/48 [IMAGE AVAILABLE]

71. 5,475,843, Dec. 12, 1995, System and methods for improved program testing; Ramin L. Halviatti, et al., 395/704; 364/282, 286, DIG.1; 709/302 [IMAGE AVAILABLE]

72. 5,452,467, Sep. 19, 1995, Microcomputer with high density ram in separate isolation well on single chip; Michael D. May, et al., 395/500.02; 364/232.8, DIG.1, DIG.2 [IMAGE AVAILABLE]

73. 5,440,483, Aug. 8, 1995, Process and device for evaluating the precipitations over an area of terrain; Guy Badoche-Jacquet, et al., 702/3; 73/170.19 [IMAGE AVAILABLE]

74. 5,403,639, Apr. 4, 1995, File server having snapshot application data groups; Jay S. Belsan, et al., 707/204; 364/DIG.2; 707/205; 711/113, 114 [IMAGE AVAILABLE]

75. 5,402,200, Mar. 28, 1995, Low-power hard disk drive system architecture; Louis J. Shrinkle, et al., 360/69, 70, 74.1, 78.07 [IMAGE AVAILABLE]

76. 5,388,097, Feb. 7, 1995, System and method for bandwidth reservation for multimedia traffic in communication **networks**; Mark J. Baugher, et al., 370/455, 468; 709/300 [IMAGE AVAILABLE]

77. 5,384,890, Jan. 24, 1995, Method and apparatus for providing

multiple clients simultaneous access to a sound data stream; Eric C. Anderson, et al., 704/[redacted], 269 [IMAGE AVAILABLE]

78. 5,379,431, Jan. 3, 1995, Boot framework architecture for dynamic staged initial program load; Steven P. Lemon, et al., 710/10; 364/280.2, DIG.1; 713/2 [IMAGE AVAILABLE]

79. 5,379,337, Jan. 3, 1995, Method and system for providing emergency call service; Michael J. Castillo, et al., 379/45, 49 [IMAGE AVAILABLE]

80. 5,353,011, Oct. 4, 1994, Electronic article security system with digital signal processing and increased detection range; Richard G. Wheeler, et al., 340/572.4, 556, 566 [IMAGE AVAILABLE]

81. 5,349,640, Sep. 20, 1994, Option bus adapter; Tave P. Dunn, et al., 379/387; 370/359; 379/67.1, 93.06, 201, 399, 400, 401, 414 [IMAGE AVAILABLE]

82. 5,335,277, Aug. 2, 1994, Signal processing appparatus and methods; John C. Harvey, et al., 380/20, 9, 10, 49 [IMAGE AVAILABLE]

83. 5,333,266, Jul. 26, 1994, Method and apparatus for message handling in computer systems; Wade Boaz, et al., 709/206; 379/88.13, 93.15, 93.24, 100.08, 908; 709/248 [IMAGE AVAILABLE]

84. 5,323,470, Jun. 21, 1994, Method and apparatus for automatically tracking an object; Atsushi Kara, et al., 382/103; 348/169; 382/107, 156, 291; 700/246, 259; 704/271, 275 [IMAGE AVAILABLE]

85. 5,323,444, Jun. 21, 1994, Emergency call system with call capacity/last chance routing feature; Douglas J. Ertz, et al., 379/45, 49, 142, 212, 265 [IMAGE AVAILABLE]

86. 5,321,819, Jun. 14, 1994, Interface for coupling a host device having a **network** interface to a computer **network** having a predetermined communications medium and a predetermined communications physical layer; Andre Szczepanek, 709/228, 230, 250 [IMAGE AVAILABLE]

87. 5,309,555, May 3, 1994, Realtime communication of hand drawn images in a multiprogramming window environment; Anthony S. Akins, et al., 345/330, 331, 332 [IMAGE AVAILABLE]

88. 5,305,317, Apr. 19, 1994, Local area **network** adaptive circuit for multiple **network** types; Andre Szczepanek, 370/257, 469 [IMAGE AVAILABLE]

89. 5,299,193, Mar. 29, 1994, Signal interface for coupling a **network** front end circuit to a **network** adapter circuit; Andre Szczepanek, 370/463, 465 [IMAGE AVAILABLE]

90. 5,276,679, Jan. 4, 1994, Method for maintaining channels and a subscriber station for use in an ISDN system; Thomas D. McKay, et al., 370/358, 503, 542 [IMAGE AVAILABLE]

91. 5,243,698, Sep. 7, 1993, Microcomputer; M. David May, 709/201; 364/241.7, 241.9, 923.5, 926.1, 927.92, 927.93, 927.94, 940, 940.61, 940.62, 942, 949, 949.1, 950, 950.3, 957, 957.3, 959.1, 960, 965, 965.76, DIG.1, DIG.2 [IMAGE AVAILABLE]

92. 5,239,373, Aug. 24, 1993, Video computational shared drawing space; John C. Tang, et al., 348/14; 178/18.01; 345/179; 348/61, 552 [IMAGE AVAILABLE]

93. 5,233,654, Aug. 3, 1993, Signal processing apparatus and methods; John C. Harvey, et al., 380/20 [IMAGE AVAILABLE]

94. 5,228,137, Jul. 1[redacted]1993, Method for controlling e[redacted]ution of host computer application programs through a second computer by establishing relevant parameters having variable time of occurrence and context; Aurel Kleinerman, et al., 395/500.47; 364/228, 228.5, 230.6, DIG.1 [IMAGE AVAILABLE]

95. 5,214,780, May 25, 1993, **Synchronized** journaling system; Joseph P. Ingoglia, et al., 709/106; 364/927.92, 927.93, 940, 940.81, 950, 950.3, 957, 957.6, 975.2, 976, DIG.1, DIG.2 [IMAGE AVAILABLE]

96. 5,109,414, Apr. 28, 1992, Signal processing apparatus and methods; John C. Harvey, et al., 380/9, 10, 49 [IMAGE AVAILABLE]

97. 5,107,443, Apr. 21, 1992, Private regions within a shared **workspace**; Randall B. Smith, et al., 345/331, 332, 344, 357; 380/3 [IMAGE AVAILABLE]

98. 5,086,386, Feb. 4, 1992, Method and apparatus for benchmarking the working set of window-based computer systems; Nayeem Islam, 707/202; 364/264, 264.3, 280, 280.6, 281.3, 282, 285, 286, 286.3, 927.2, 927.4, 927.63, 927.81, 928, 929.12, 931, 931.5, 932, 932.1, 932.4, 932.5, 946.2, 950, 950.3, 950.4, 957, 957.1, 957.8, 962, 962.4, 975.4, DIG.1, DIG.2; 714/16 [IMAGE AVAILABLE]

99. 5,060,140, Oct. 22, 1991, Universal programmable data communication connection system; Alexander S. Brown, et al., 710/105; 364/232.7, 238.1, 239, 239.9, 240.8, 242.4, 264, 264.7, 266.5, 281.3, 284, 284.3, 284.4, DIG.1 [IMAGE AVAILABLE]

100. 5,031,092, Jul. 9, 1991, Microcomputer with high density ram in separate isolation well on single chip; Jonathan Edwards, et al., 711/163; 326/101; 364/232.8, DIG.1 [IMAGE AVAILABLE]

101. 4,991,169, Feb. 5, 1991, Real-time digital signal processing relative to multiple digital communication channels; Gordon T. Davis, et al., 370/463, 498 [IMAGE AVAILABLE]

102. 4,989,133, Jan. 29, 1991, System for executing, scheduling, and selectively linking time dependent processes based upon scheduling time thereof; Michael D. May, et al., 709/102; 364/242.6, 242.8, 245.5, 245.9, 247, 247.8, 254, 254.6, 271, 271.3, 280, 281.3, 281.4, 281.8, DIG.1; 709/300 [IMAGE AVAILABLE]

103. 4,967,326, Oct. 30, 1990, Microcomputer building block; Michael D. May, 712/21; 364/229, 229.1, 230, 230.3, 231.4, 231.6, 232.8, 242.94, 262.4, 262.81, 271, 271.2, 271.3, 281.3, 281.4, 281.8, DIG.1; 710/100 [IMAGE AVAILABLE]

104. 4,965,825, Oct. 23, 1990, Signal processing apparatus and methods; John C. Harvey, et al., 380/9, 10, 49 [IMAGE AVAILABLE]

105. 4,953,159, Aug. 28, 1990, Audiographics conferencing arrangement; Charles C. Hayden, et al., 370/265; 345/330, 332, 349; 348/15; 379/93.14, 93.21, 204, 908; 709/227 [IMAGE AVAILABLE]

106. 4,937,760, Jun. 26, 1990, Method for sharing common values implicitly among communicating generative objects; Bradley J. Beitel, et al., 706/53; 364/222.81, 222.82, 239, 240.8, 261, 262.5, 267, 267.4, 267.7, 268.1, 271.6, 274.3, 274.5, 274.7, 275.5, 275.9, 280, 280.4, 282.1, 284, 286.2, 931, 931.4, 931.43, 972, 972.2, 972.3, 974, 976, DIG.1, DIG.2 [IMAGE AVAILABLE]

107. 4,819,151, Apr. 4, 1989, Microcomputer; Michael D. May, 709/106; 364/231, 231.9, 238.5, 239, 239.4, 240, 240.2, 241.9, 242.94, 244, 244.6,

254, 254.6, 254.9, 255.3, 255.5, 255.7, 262, 262.1, 262.4, 262.8, 271, 271.3, 271.5, 280, 281[redacted] 281.8, 284, 284.4, DIG.1; 709[redacted]7 [IMAGE AVAILABLE]

108. 4,794,526, Dec. 27, 1988, Microcomputer with priority scheduling; Michael D. May, et al., 709/103; 364/228.3, 231, 231.4, 231.6, 232.8, 241.2, 243, 244, 244.6, 252, 281.3, 281.8, DIG.1; 709/107, 300 [IMAGE AVAILABLE]

109. 4,783,734, Nov. 8, 1988, Computer system with variable length process to process communication; Michael D. May, et al., 709/300; 364/228.3, 231.4, 231.6, 232.8, 243, 244, 244.6, 252, DIG.1; 709/248 [IMAGE AVAILABLE]

110. 4,777,591, Oct. 11, 1988, Microprocessor with integrated CPU, RAM, timer, and bus arbiter for data communications systems; Ki S. Chang, et al., 712/40; 364/DIG.1; 710/119 [IMAGE AVAILABLE]

111. 4,758,948, Jul. 19, 1988, Microcomputer; Michael D. May, et al., 709/102; 364/DIG.1; 709/300 [IMAGE AVAILABLE]

112. 4,751,630, Jun. 14, 1988, Interactive terminal system using a prepoll prior to transferring information from the controller to the work station; George E. Kelley, Jr., et al., 709/231; 364/DIG.1; 370/449; 709/219 [IMAGE AVAILABLE]

113. 4,739,398, Apr. 19, 1988, Method, apparatus and system for recognizing broadcast segments; William L. Thomas, et al., 348/1; 382/190; 455/2 [IMAGE AVAILABLE]

114. 4,724,517, Feb. 9, 1988, Microcomputer with prefixing functions; Michael D. May, 712/210; 364/DIG.1 [IMAGE AVAILABLE]

115. 4,704,678, Nov. 3, 1987, Function set for a microcomputer; Michael D. May, 709/106; 364/DIG.1; 709/300 [IMAGE AVAILABLE]

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121. 4,627,019, Dec. 2, 1986, Database management system for controlling concurrent access to a database; Fred K. Ng, 707/8; 364/920, 929.1,

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124. 4,523,309, Jun. 11, 1985, Time assignment speech interpolation apparatus; Joshua Piasecki, et al., 370/286, 435, 522 [IMAGE AVAILABLE]

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126. 4,514,820, Apr. 30, 1985, Apparatus for generating trapezoidal signals over a single conductor coaxial bus; Fred A. Mirow, et al., 708/852; 327/130 [IMAGE AVAILABLE]

127. 4,514,806, Apr. 30, 1985, High speed link controller wraparound test logic; Kent H. Hartig, 714/25; 364/228.3, 228.5, 229, 229.2, 232.8, 234, 235, 236.2, 237.2, 237.3, 238.3, 238.4, 240, 240.1, 241.2, 242.3, 242.31, 242.5, 243, 244, 244.6, 248.1, 252, 262.4, 262.8, 265, 266.5, 267, 267.91, 280, 280.2, 284, 284.2, 285, 285.4, DIG.1 [IMAGE AVAILABLE]

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L1        167581 S NETWORK?
L2         31928 S L1 AND SYNCHRONIZ?
L3           141 S L2 AND WORKSPACE
L4            10 S L3 AND DATA MANAGER
L5             7 S L4 AND DOWNLOAD?
L6             0 S L5 AND REMOTE SITE
L7             4 S L5 AND REMOTE
L8        139905 S SYNCHRONIZ?
L9            98 S L8 AND EMAIL
L10            2 S L9 AND WORKSPACE
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1. 5,862,325, Jan. 19, 1999, Computer-based communication system and method using metadata defining a control structure; Drummond Shattuck Reed, et al., 709/201; 395/200.42, 200.58, 200.72, 200.74; 707/10, 203, 204; 709/212, 228, 242, 244 [IMAGE AVAILABLE]

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